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# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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December 14, 1990

TO: Daron Haddock, Permit Supervisor

FROM: Priscilla Burton, Soils Reclamation Specialist *AB*

RE: NEICO State Leases ML-21568 and ML-21569, Genwal Coal Company, Crandall Canyon Mine, ACT 015/032, Folder #2, Emery County, Utah.

Summary: 1. With the addition of non-sulfate sulfur percentages, and the meq/L of Ca, Mg, and Na reported, Genwal Coal Co will be able supply the Division with adequate technical information regarding the physical and chemical nature of the roof and floor samples.

2. There has been no stated change in the commitment to sample all underground development waste that is temporarily brought to the surface (p3-16 of the MRP).

Technical Details:

The Division specifically requests that the non-sulfate sulfur percentages are reported as well as the maximum acid and neutralization potentials so that the Division can check these calculations. The meq/L of Ca, Mg, and Na must be reported as well as the SAR values, so that the SAR calculation can be checked. These analyses should be added to page 14-8 of the MRP revision.

In addition to their planned roof and floor sampling program (pg 14-8 of the Amendment and pp 3-15 & 3-16 of the MRP), Crandall Coal Co. has committed to sampling underground development waste that is brought to the surface. The Operator has not mentioned any change in these plans.

pwb

cc: D. Darby